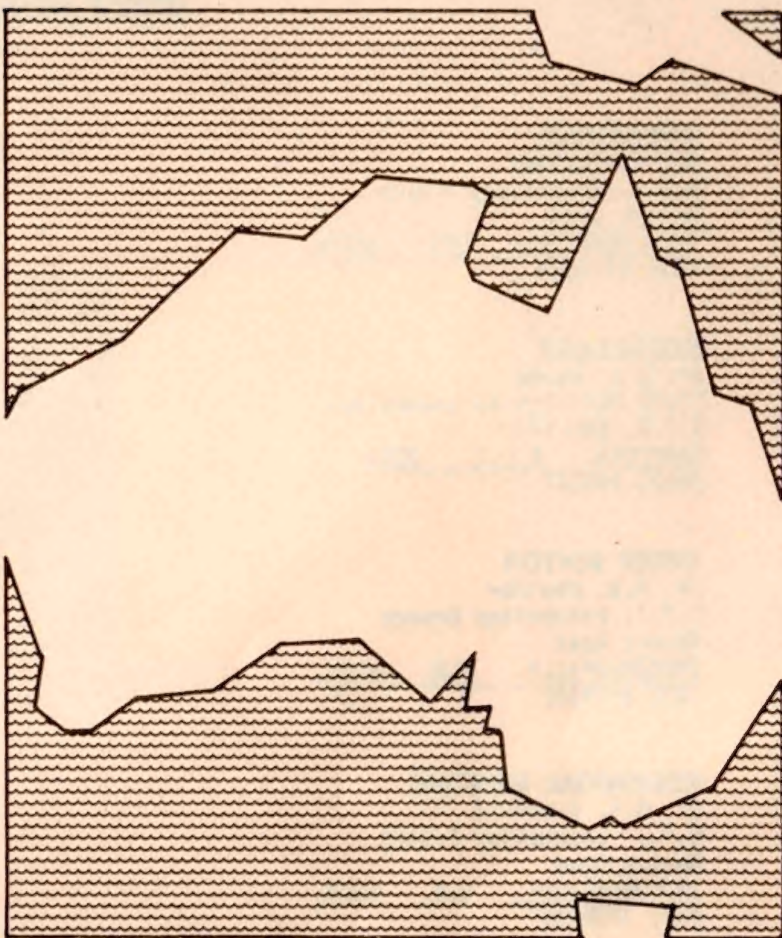


**Australian
Entomological
Society**



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(Office bearers continued on rear cover)

AUSTRALIAN ENTOMOLOGICAL SOCIETY NEWS BULLETIN

A NEW NAME FOR THE BULLETIN ?

This issue of the News Bulletin marks the start of the fifth year with its current cover design. It is starting to show its age and I am hoping to introduce a new cover design at the beginning of 1988. This will be an opportunity to upgrade the headings and layout inside the Bulletin also, thus giving a completely new-look Bulletin for the start of the Bicentenary Year.

Another possible change which could be introduced then concerns the TITLE of the periodical. The existing name is Australian Entomological Society News Bulletin which is perfectly functional but rather long-winded and not terribly imaginative. It is usually contracted to "The News Bulletin" which then becomes confused, at least in Queensland, with the similar periodical of the Entomological Society of Queensland. Many other organizations have coined simple, catchy, one-word titles for their periodicals which are appropriate, memorable and utilitarian. Some which come to mind are "Antenna", "Search", "Mushi", "Papilio", "Scarabaeus", "Stylops", "Psyche", "Sphecos", and so on.

Naturally any proposed change of a long-established title will always meet variable degrees of resistance. But I believe that this would be a temporary phenomenon, and after a few issues the name would enter the subconscious and roll off the tongue much more smoothly than does the present mouthful.

To me, one obvious possible name is MYRMECIA, the genus of our Society's bulldog ant logo. This was initially proposed as our symbol because the bulldog ant was "symbolic of the tenacity of those who worked for the foundation of the Society". The word is short and euphonious, while the genus is world famous, intensely "Australian", and common in all habitats throughout the continent. But then a periodical called MYRMECIA might be assumed by some to be a newsletter for ant specialists.

What we need at present is some membership discussion of the issue. I invite anyone with views on the matter (Is a change needed? Is MYRMECIA unacceptable? Have you an alternative suggestion?) to send them in for airing in the May News Bulletin. Alternatively, send your informal views to either myself or the Secretary. At the Annual General Meeting in Perth at August there will be an opportunity to make a recommendation if membership enthusiasm for change is sufficient.

A final note. Since the name of the equivalent bulletin of the Royal Entomological Society of London is ANTENNA, then perhaps the name of our antipodean journal could be CERCUS! (Just joking!).

Geoff Monteith
News Bulletin Editor

DEADLINE FOR NEXT ISSUE

Copy for publication in the May Issue of the News Bulletin should be in the hands of the Editor, at his address inside the front cover, by Friday April 24.

SUBSCRIPTION NOTICE

Members are reminded that their subscriptions fell due on January 1st. The \$5.00 concession for early payment expires at the end of February. Those who do not pay the \$5.00 excess after that date will be billed for the extra.

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QUARTERLY EXECUTIVE REPORT

Meetings

The Executive met on 11 November and 10 December 1986 and on 27 January 1987.

Membership

During the quarter there were 6 applications for membership, and 7 new members were elected. Resignations were accepted from 4 members, while the memberships of 24 were terminated under Constitution clause 21(c). Total membership declined from 724 to 703, the distribution by States now being:

QLD 167	VIC 87	TAS 26
NSW 149	SA 73	NT 13
ACT 114	WA 36	O/SEAS 38
TOTAL 703		

New Members

We welcome the following new members:

Elected 11 November 1986

Dr D.J. Colgan, BSc(Hons), BEc, PhD, R.S.B.S, Australian National University, GPO Box 475, Canberra, ACT 2601. Donald is a Reserch Fellow interested in acridid biology, population and developmental genetics of grasshoppers, and viral and bacterial diseases of grasshopper pest species.

Dr V.A. Drake, MA, DPhil, CSIRO Entomology, GPO Box 1700, Canberra, ACT 2601. Alistair is a Senior Research Scientist working on insect migration, radar entomology and meteorology.

Dr B. Napompeth, National Biological Control Centre, PO Box 9-52, Bangkok 10900, Thailand. Banpot is Director of the Centre.

Dr S. Ward, BA, MA, PhD, Zoology Dept., La Trobe University, Bundoora, Vic 3083. Seamus is a Lecturer in Zoology. He wishes to make contact with members interested in mathematics and population modelling.

Elected 10 December 1986

Mr J. van Schagen, BAppl Sci, W.A.I.T.

School of Biology, Kent Street, Bentley, WA 6102. John is a Graduate Diploma Student. He recently published on recolonisation of ants and other invertebrates in rehabilitated coal mine sites in Western Australia.

Elected 27 January 1987

Mr R.C. Joshi, Dept. of Entomology, Internat. Rice Res. Institute, PO Box 933, Manila, Philippines. Mr Joshi is a Research Fellow interested in insect pest management and biological control. He has published some 40 papers on agricultural entomology.

Ms S. Leighton, Dept. of Agriculture, PO Box 46, Launceston, TAS 7250. Sandra is working on several agricultural problems including rose-grain aphid, lucerne flea, *Oncopera*. She also has interests in invertebrate faunal surveys.

RESIGNATIONS

At its meeting on 27 January, the Executive accepted with regret the resignations of:

Mr A.J. Frazer (NSW)
Dr D.J. Lee (NSW)
Mr K.B.W. Utech (QLD)
Mr A.P. Walford-Huggins (QLD)

TERMINATIONS OF MEMBERSHIP

The Executive regrettably terminated the membership of the following under Constitution Clause 21(c):

Ms C. Beurle (NT)
Mr D.L. Binns (NSW)
Mr T.V. Bourke (Overseas)
Ms D. Campbell (NSW)
Mr M. Cheers (?NSW)
Mr D.N. Crawford (ACT)
Mr R. Dallwitz (Overseas)
Mr B.C. Dominiak (QLD)
Miss A. Eduayah (Overseas)
Mr S.J. Gagen (VIC)
Mr R. Gibson (NT)
Dr T.D.C. Grace (NSW)
Asst. Prof. M.R. Hoque (Overseas)
Mr C.D. Howick (VIC)
Miss M.J. Jackson (NSW)
Dr R. Lavigne (Overseas)
Mrs C.H. Miller (?NSW)
Mr Y.K. Prasad (SA)
Mr D. Raftos (NSW)

Mr G. Reidy (NSW)
 Dr S. Simpson (Overseas)
 Mr M.E. Stone (QLD)
 Mr M.F.J. Taylor (QLD)
 Mr H. Williams (TAS)

ADDRESSES UNKNOWN

The Secretary would be pleased to hear from any member knowing the present addresses of the following members:

Mr S.A. Brousek (formerly of NSW)
 Mr G.W. Douglas (formerly of VIC)
 Dr R.J. Hart (formerly of NSW)

CHANGES OF ADDRESS OR TITLE

State of previous residence shown in brackets.

Dr I. Abbott, Dept. of CALM, Hayman Road, Como, WA 6152 (WA).

Dr P.C.E. Bailey, Water Resources Centre, Biology Dept., Chisholm Inst. of Technology, Caulfield East, VIC 3145 (QLD).

Dr M.J. Beech, District Hospital, Ingham, QLD 4850 (QLD).

Mr M. Braby, Plant Res. Institute, Swan Street, Burnley, VIC 3121 (VIC).

Prof. T.O. Browning, 7 Slake Crescent, Burnside, SA 5066 (SA).

Dr M.M. Campbell, Dept. Agric. & Rural Affairs, Agric. Engin. Centre, Princes Highway, Werribee, VIC 3030 (VIC).

Mr R.D. Cooper, Army Malarial Research Unit, MILPO, Ingleburn, NSW 2174 (NSW).

Mrs B.W. Cribb, 63 Gap Creek Road, Brookfield, QLD 4069 (QLD).

Mr P.B. Du Guesclin, 13 Dunoon Street, Colac, VIC 3250 (VIC).

Mr A.L. Dyce, 48 Queens Road, Asquith, NSW 2078 (NSW).

Mr W.R. Farnsworth, 36 Iris Street, Moree, NSW 2400 (NSW).

Mr P.D. Fuhlbohm, 4/3 Church Street, Highgate, SA 5063 (SA).

Ms K. Gibb, 14 Yoogala Avenue, Tranmere, SA 5073 (SA).

Mr C.J. Irvine, Balwyn House, 18 Mangan Street, Balwyn, VIC 3103 (VIC).

Dr W.K. Jorgensen, Tick Fever Research Centre, Grindle Road, Wacol, QLD 4076 (O'Seas; formerly Mr).

Mr D.C. Lake, PO Box 344, Runaway Bay, QLD 4216 (SA).

Ms J. Landsberg, CSIRO Division of Forest Research, PO Box 4008, Queen Victoria Terrace, ACT 2600 (ACT).

Ms K.A. Lyonns (not Ms A. Lyonns).

Mr D.K. Mardon, FAGUS, Manse Road, Killin, Perthshire FK21, 8SH, UK (UK).

Mr D.A. McLaren, 5 Toolangi Road, Alphington, VIC 3078 (VIC).

Dr R.E. Mesibov, PO Box 224, Zeehan, TAS 7469 (TAS).

Mr R.G. Piper, PO Box 106, Kurrimine Beach, QLD 4871 (QLD).

Mrs A.A. Pound, 29 Rawlinna Drive, Mermaid Waters, QLD 4218 (QLD).

Dr R. Ramachandran, Post Doctoral Fellow, Pulse Entomology Section, ICRISAT, Patancheru Po, A.P. 502324 India (SA).

Dr D.J. Rogers (formerly Mr).

Dr R.J. Roberts, O'Hanlon Place, Gungahlin via Belconnen, ACT 2617 (ACT).

Dr D.D. Shaw, Population Genetics Group, School of Biol. Sciences, ANU, GPO Box 4, Canberra, ACT 2601 (ACT).

Dr E.B. Tay, Agriculture Department, 4th Floor, Menara Khidmat Building, 88632 Kota Kinabalu, Sabah, Malaysia (Overseas).

Mrs J.M. Valero (nee Whitehead) 15 Cochrane Terrace, Prospect SA 5082 (SA).

Ms J.M. Whitehead (see Valero)

Mr M.J. Wood, Flat 4, 29 King Street,
Ashfield, NSW 2131 (VIC).

Mr G. Young, Ramu Sugar Ltd, PO Box 2183,
Lae, Papua New Guinea (NSW).

HONOUR FOR SECRETARY

The Society's Secretary, Phil Carne, has been honoured by the British Institute of Biology (IOB) by his election as a Fellow of that body. During the past two years Phil has been active in moves to form a wholly Australian counterpart of the IOB. The Australian Institute of Biology (AIB) was born in August 1986 and replaced the offshoot of the IOB known as the Institute of Biology in Australia (IBA). Phil is Public Officer of the AIB and a member of its Executive. He will contribute an article about the AIB in the May News Bulletin by which time the Institute should be legally incorporated as a national body under ACT legislation.

BIOLOGICAL ILLUSTRATION COMPETITION

Members are reminded that entries for this year's competition must be in the hands of the Secretary by April 1, 1987. Full details of the competition together with an entry form were given on pp. 107-108 of the November 1986 Bulletin (Vol 22, Part 4).

1987 STUDENT AWARD

Intending entrants for this year's Student Award are reminded that they must advise the Secretary by 30 April 1987 of their intention to submit an entry. Copies of their manuscripts for consideration must then be in his hands by 30 June 1987. Full details and an entry form are given on pp. 109-110 of the November 1986 News Bulletin (Vol 22, Part 4).

REQUEST

An enthusiastic collector in Czechoslovakia would like to exchange correspondence and literature about Lepidoptera with someone in Australia. He is particularly interested in saturnids, sphingids and Ornithoptera. He can be contacted as follows:

Michal Paulo
Male domky II
034 02 Ruzomberok 2
CZECHOSLOVAKIA

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REGIONAL NEWS

**AUSTRALIAN CAPITAL
TERRITORY**
CSIRO Australian National Insect Collection

General consensus on continued hard slog for the new edition of 'Insects of Australia'. The informal taxonomy seminar series yielded talks by Penny Gullan, ANU (Australian margarodid research), John Noyes, BMNH (parasitic hymenoptera in Sulawesi), Andrew Calder, ANIC (weevil guts), Daniel Burckhardt, Geneva NHM (research at Geneva NHM), David Rentz, ANIC (karyotyping Australian tettigoniids), Ebbe Nielsen, ANIC (German entomological collections) and Jim Carpenter, MCZ, Harvard (vespoid evolution).

Visitors to the Lepidoptera included W. Backhuys of E.J. Brill Publishers, who will soon begin a hardback series 'Monographs on Australian Lepidoptera'; Malcolm Scoble (BMNH) who is currently studying Geometroidea for 6 weeks, and Andrew Atkins (Newcastle) who visited the hesperiids. Ebbe Nielsen returned from 2 months collection study in central Europe, and the photographic catalogue of Australian Lepidoptera types is virtually complete for foreign institutions. Work continues on the Lepidoptera checklist.

In Hymenoptera there were brief visits by Woody Horning (Macleay Museum) and Philip Weinstein (Waite Institute), the latter looking at trigonalids. John Noyes (BMNH) spent 5 days on the encyrtids and Jim Carpenter (MCZ, Harvard) looked at vespoids for a week in December. Ian Naumann made an exhaustive collection of the Renmark Hymenoptera.

Coleoptera has had several regular migrant North American visitors. Henry and Anne Howden (Carleton University) spent December here studying geotrupids and weevils respectively, and collected in Queensland. Alfred Newton and Margaret Thayer (Field Museum, Natural History, Chicago) are here for two months to work on staphs and leiodids in ANIC and the Border Ranges and Victorian Alps. Chris Thompson (USDA, Washington) spent 2 days on the collections.

Visitors to Diptera have included Dan Bickel (Australian Museum) for dolichopodids and Brian Cantrell (DPI, QLD) for tachinids.

The Hemiptera were visited by Ulf Gärdenfors (Lund, Sweden) in December, to examine the aphid hosts of Australia's only indigenous aphidiid. Gerry Cassis sojourned in Brisbane for 2 weeks, examining bug types for the Zoological Catalogue. Dave Rentz has been to the Grampians for a week of Orthoptera collecting.

Australian National University

Qin Tingkui (Department of Plant Protection, Guiyang, China) has joined the Zoology Department for 1 year as a visiting fellow. He will study coccoid systematics with Penny Gullan. Sunita Bhatti got her ANU PhD scholarship for margarodid taxonomy. Penny, Sunita and Chris Reid visited Brisbane and Sydney Institutions for a week in November, to examine margarodids and chrysomelids. Two honours students have started entomological projects in Zoology: Grant Robinson - Vertical distribution of Coleoptera in a eucalypt forest, Karina Hansen - Pollination biology of Eucryphia.

Chris Reid
Regional Councillor

NEW SOUTH WALES
SYDNEY METROPOLITAN NEWSMacquarie University

Alan Bishop's PhD has been approved and he will receive his degree at the May graduation ceremony. Congratulations Alan!

After more than a year's search for sex-linked enzymes in aphids, Ross Lardner has "retired" to complete his honours program full-time. Meanwhile, with the closure of CSIRO's Warrawee establishment, Ross Farquhar is re-organising himself to continue working on the Wellings/Hales aphid sex ratio project at Macquarie.

In the last issue, we announced a change in the University's address: this time it's the phone numbers. Di Hales can now be reached on 805.8181. For other extensions call the University's switchboard on 805.7111.

N.S.W.I.T.

Peter Miller recently received a research

grant from chemical manufacturers Samuel Taylor, to support further insecticide research. Peter is continuing his field trials on baits and sprays, and was recently invited to give papers at two meetings in Queensland. The first of these, held in Brisbane, was organised by Zoecon to coincide with the launch of two new insect growth regulators (IGR's). The second meeting was the Australian Health Surveyor's Conference in Townsville, where Peter spoke on control of cockroaches in sewers.

School of Public Health and Tropical Medicine

Uncertainty continues about the future of the staff of SPHTM and the fate of medical entomology in New South Wales (see last issue).

University of Sydney

Dept. of Plant Path. and Agric. Ent.

Doug Rugg, Harley Rose and Laurie Sanchez collected some interesting burrowing cockroaches in a recent trip to south eastern Queensland. Fred McDonald returned to Sydney briefly, after several months at the University of Queensland, and has now departed for the British Museum; he will then proceed to the U.S.A. before returning to Sydney.

University of NSW, School of Zoology

Christian Peeters and PhD student Michael Crosland have been collecting ponerine ants in rainforest areas on the coast around Sydney. Ross Crozier recently returned from a busy and successful sabbatical.

University of NSW, CERIT

The CERIT Advisory Committee has been finalised. It consists of Associate Professor J.P. Kennedy (Chair), Dr E. Shipp (Honorary Director), Dr C.J. Orton (Deputy Director) and Professor T.J. Dawson, Dr L. Barton Browne, Mr I. McIver, Mr G. van Rijskijk, Dr P.B. Hughes and Mr B. Rosenberg. Danielle Heilpern is doing her Honours degree at CERIT, working with Gary Levot (BCRI, Rydalmere). Danielle is investigating whether, in *Lucilia cuprina*, cross-resistance develops to the organophosphate insecticides, once diazinon resistance has been obtained.

Jenny Anderson has just returned from U.N.S.W. Fowler's Gap Arid Zone Research Station, where she conferred with Alan Swan, the technical officer working on the blowfly project supported by the Australian Wool

Corporation. The project aims, in 1987-1988, to reduce sheep blowfly numbers at Fowler's Gap below the threshold for fly strike.

Forestry Commission of New South Wales

Ken Fairley retired on 22 December 1986 after 37 years with the Commission. Here's to a long and rewarding retirement. Bob Eldridge takes over as curator of the Commission's insect collection and, following changes in research administration, assumes the role of leader of the Entomology and Ecology Section.

Along research lines, Bob continues his MSc studies on the biology and taxonomy of *Glyptotermes*. Together with Commission pathologists, Jack Simpson and Lou Gerrettson-Cornell, Bob is investigating the fungi and actinomycetes associated with the gut of *Glyptotermes tuberculatus* and other drywood termites. Bob also has several new species of *Kaloterme*s to describe and is pondering the task of revising the genus.

Christine Stone's PhD studies on the inner-bark associates of *Ips grandicollis* are well under way. Christine maintains a constant vigilance over the pine forests of the state to monitor the spread of *Ips*. Christine, with Jack Simpson, is also working on *Ceratocystus* and other blue-stain fungi associated with *Ips*.

Garry Webb is approaching the writing-up stage of his MSc program on the effects of various logging treatments on ground-dwelling invertebrates and vertebrates of montane eucalypt forest. An associated study of the food relationships of these various animals groups is also under way. On a different tack Garry continues his studies of the biology and taxonomy of Australian Cerambycidae. An active rearing program is currently being established at the Commission's West Pennant Hills laboratories. Taxonomic studies on the Cerambycini tribes Molochini and Phoracanthini are under way.

Ted Taylor continues his extension role serving the Commission's field officers and the general public. Ted is also investigating the *Dihammus* problem in north coast poplar plantations and is currently reviewing the Lantana biological control program and the Commission's role in the program over the past 30 years.

Dinah Hales & John McDonald
Regional Councillors

NSW COUNTRY NEWSUniversity of New England

Dr Paul Whittington has recently joined the Department of Zoology as a lecturer. Paul has research interests in the development of the insect nervous system, particularly in locust embryos. He comes to us from a postdoctoral position at the Max Planck Institute for Developmental Biology in West Germany, and a lectureship at Melbourne University.

Congratulations go to Genevieve Carruthers, Alan Champion and Gina McLean for successful completion of their honours. Genevieve's research was a survey of soil/litter arthropods; Alan studied the ectoparasites of small mammals and Gina investigated interactions between two predatory mite species.

Peter Gregg has returned from an enjoyable and productive study leave at Cornell University, where he worked with Drs Maurice and Catherine Tauber on diapause in the American grasshopper Melanoplus sanguinipes. In collaboration with Myron Zalucki, Peter Twine and Gary Fitt, he has obtained a grant from the Rural Credits Development Fund to work on Heliothis ecology in inland Australia.

New students in the Department of Ecosystem management include Alan Spesser (BSc Hons on simulation modelling of Heliothis population dynamics) and Bert Jenkins (PhD on the dynamics of treehole foodwebs). Recent visitors to the Department were Alan Journet from East Missouri State University, who presented a seminar on the ecology and management of pecan aphids, and Naomi Pierce from Princeton University who visited Roger Kitching in the course of her work on lycaenid butterflies and ants.

Department of Agriculture, Armidale

Wingless and mountain grasshoppers have been abundant lately, and Gus Campbell was recently visited by Graeme Baker from BCRI, Rydalmere. They conducted surveys of grasshoppers and parasites.

Department of Agriculture and CSIRO Common Research Unit, Narrabri

Best wishes go to Angus Wilson, who is retiring from CSIRO. Angus has been appointed Visiting Research Fellow for six months from December.

A visitor to Narrabri is Jimmy Raulston, from USDA in Brownsville, Texas. He will be working with Gary Fitt for about a month during February, looking at Heliothis behaviour.

Matt Cahill has been awarded a Rotary Foundation Graduate Scholarship, and will be leaving in October for Cambridge University where he will undertake an M.Phil. degree.

Agricultural and Veterinary Research Centre, Orange

Roger Broadly, DPI Queensland, accompanied four Chinese scientists to Orange in November. The visitors were involved in a Technical Cooperation Project in Beijing, and had spent most of their six months stay in Queensland. During their two day visit to the Centre, the group looked at spray application projects with Graham Thwaite.

Among other visitors to Orange was a group of Soviets including journalist and broadcaster Joseph Adamov.

Department of Agriculture, Tamworth

Robin Gunning is working on a study to establish baseline toxicity data for amitraz in Heliothis. Funding for the work has again been generously provided by Schering Ltd.

Department of Agriculture, Gosford

Alan Bishop attended the Australasian Lucerne Breeding and Agronomy Workshop at Yanco in December, where he presented a technical review on "Pests of Lucerne in Australia and their Control".

Peter Gregg
Regional Councillor

Keith Turnbull Research Institute

The new quarantine building is due to be commissioned in March and will provide excellent facilities for research into the biological control of weeds. Recent imports to be housed in the building will be Cochylis atricapitana, a leaf and crown boring moth brought here from France. David McLaren is studying the impact of this species on ragwort.

Robin Adair is soon to start work on biological control of boreseed.

Graeme Murphy has been awarded an MSc from Melbourne University for his work on control of the black field cricket.

Museum of Victoria, Environmental Records Section

The Biological Survey Department is no more - in name anyway. It was recently renamed the Environmental Records Section, although its work in terrestrial and freshwater invertebrate ecology remains the same.

Congratulations to Mark Harvey for receiving a new ABRs grant. At the completion of his first ABRs water mite grant in a couple of months, Mark will embark on a two year project on the genera of Australian water mites.

Tim Doeg, after battling with snow and floods, has finally set up his experimental plots on the Acheron River in his project on the effects of physical disturbance on the macroinvertebrates. Richard Marchant is still continuing on his post-construction monitoring of the macroinvertebrates below the Thomson Dam.

Alen Yen recently extended beyond the bounds of entomology when he received a World Wildlife Fund Australia grant to work on the biology, distribution and conservation of the Giant Gippsland Earthworm. Considering its size, there is an incredible lack of information available on the worm, and the WWF grant will enable a PhD student to do some solid research on it. Back in the world of entomology, Daniel Burckhardt spent a week in the Museum looking at psyllids and collecting psyllids with Alen Yen.

Plant Research Institute, Burnley

Michael Braby has joined PRI as an entomologist. He has taken over Mike Wegecsanyi's research and will work with Peter Williams on the control of insects pests of stored grain.

Mr Zhao Bas Ping from the Institute of Plant Protection, Jilin Academy of Agriculture, Chiang Chun, China spent time with Garry McDonald observing and contributing to the monitoring and sampling of armyworm moths.

Mark Smith has been awarded a MSc from Monash University for his thesis titled "Studies on the biology of the common armyworm Mythimna convecta (Walker)".

In recent months, Ted Woolcock (CSIRO Division of Entomology, Canberra) has been regularly visiting Peter Ridland at PRI in order to release consignments of Aphidius rhopalosiphii against Metopolophium dirhodum which has been found over most of Victoria. Ted's Chilean line of parasites was released around Werribee and Bacchus Marsh, while a line recently imported from New Zealand has been released at Warragul, 200 km E of Melbourne.

Melbourne University, Genetics Department

John Martin has been collaborating with Peter Cranston of the British Museum to produce the Chironomidae chapter of the Catalogue of the Diptera of the Australasian and Oceanian regions. The manuscript which attempts to bring the systematics of the Pacific area into line with the classifications presently in use in Europe and North America was submitted late last year.

Chen Zhenzhong who has worked on the genetics of mosquitoes at the Shanghai Institute of Entomology for a number of years has begun work on a PhD under John Martin and Barry Lee, on sex determination in the Chironomidae.

Geoff Clarke is finalizing his PhD before heading off to PNG in February to take charge of the Screw-worm Laboratory near Port Moresby.

Monash University, Zoology Department

John Aldicott of the University of Alberta will visit in March. John's interest is fig-wasp mutualism, a subject he has been pursuing in Armidale with Roger Kitching. Quite different from his better known speciality of the yucca moth.

Latrobe University, Zoology Department

Tim New was recently visited by Tony Watson and, together with Arthur Neboiss, Ken Walker (Museum of Victoria) and Tim's new student, Glen Sant, visited Wilsons Promontory for a few glorious days in search of Hemiphysalis. Tim reports that strong adult populations were found.

Prof C.T. Lewis of the Royal Holloway and Bedford College has been working with Alan Marshall on things physiological.

Malcolm Kay of the New Zealand Forest Research Institute at Rotorua spent about a

month at La Trobe seeking parasites of the Eucalypt Sawfly. Substantial numbers have been sent for quarantine. Malcolm also took time to meet with Peter Kelly to discuss Paropsis.

Swarna Hewa-Kapuge has submitted her PhD on Pieris rapae, first begun under Prof. Danthanarayana. Swarna has returned to work in Sri Lanka and will be missed, but we look forward to some interesting publications.

Paul Cooper also left Latrobe at the end of January to take up a lectureship at ANU. Paul too, will be missed, especially by the E.M. team.

Don Ewart and Peter Stahle
Regional Councillors



WESTERN AUSTRALIA

Department of Agriculture

Graham Brown from Rydalmere visited the department in November to look at thynnine wasps in the Department's collection as well as to collect in the field. Jim Carpenter from the Museum of Comparative Zoology, Harvard University was also looking at the Hymenoptera collection but this time at vespid wasps. Andy Sproul and Peter McFanned spent 8 days touring the SW of the state advising farmers on the control of the wingless grasshopper. Peter Davies spent time in the NW looking at the Singapore ant problem in Derby.

Dept. of Conservation and Land Management

Ian Abbott reviewed entomological work carried out in the Jarrah Forests of Western Australia at a seminar at CALM and presented his proposal for experiments with defoliators such as the leaf skeletoniser. He has been awarded a M.R. Jacobs Memorial Grant to travel to the eastern states to review problems of forest entomology in a number of forestry departments and museums.

Western Australian Museum

James Carpenter from Harvard University spent some time in the field with Terry Houston and was delighted to be able to observe the behaviour of masarine wasps close to Perth. Greg Daniels from the Department of Entomology, University of Queensland has been visiting the museum and collecting asilids in the SW.

CSIRO

Dr John Noyes from the Hymenoptera section of the BMNH reported on his collection made in Sulawesi before arriving in Australia and has since then spent some weeks collecting Hymenoptera in the SW.

Murdoch University

Jenny Davies was able to visit the South Australian Museum to examine various aquatic Coleoptera including the dytiscids and hydrophilids.

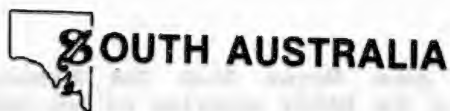
University of Western Australia

Dr Heiner Romer was able to visit U.W.A. for 5 weeks to collaborate with Win Bailey on some field neurophysiology. He was looking at the ways by which bushcrickets cope with signal recognition in very noisy habitats. Ian Dadour has successfully completed his PhD on agonistic behaviour of male bushcrickets and was invited to act as research associate with Drs Rheinlaender and Romer in Bochum for some months over the northern summer. He spent an enjoyable and instructive month with the now retired Professor Schwartzkopf in the southern part of Germany. Ms Judith Marshal from the Orthoptera Section of the BMNH is visiting UWA to collect cockroaches and bushcrickets. Three Thai MSc students, Ms N. Chiengwatana, Ms P. Buara and Ms P. Chaiyawat have returned to their own departments in Thailand having completed their three years MSc studies. Ms K. Mulleegadoo is arriving this month from Mauritius to commence her MSc on the parasites of citrus scales.

Note:

The organising committee for the 18th Scientific Conference of the Australian Entomological Society to be held in Perth next August is encouraged by the very enthusiastic support from eastern states entomologists - it should be an excellent meeting.

Win Bailey
Regional Councillor



Waite Institute, Dept. of Entomology

Dudley Pinnock spent a week in Queensland in December, working on a joint programme with the Sugar Bureau on the biological control of sugarcane pests.

Professor Michael Way, who for the last six months has been a Hannaford Research Fellow at the Waite Institute, gave a number of seminars recently. Early in November he addressed the Department on the topic "Dilemmas in aphid forecasting", and later in the month he spoke to a gathering of Society members on "The entomology of wheat". This was followed by a BBQ meal, attended by approximately 20 people. In December Michael gave a Waite Institute lecture entitled "The aphids' world".

Peter Miles accompanied the Agricultural Science undergraduates on the recent South East tour, and a number of staff and undergraduates attended the annual student camp at Mortlock Experimental Station.

In December Andrew Austin gave a series of lectures at the National University of Malaysia, Kuala Lumpur. The lectures, on parasitic Hymenoptera, were given as part of a workshop entitled "South East Asian training course on the identification of insects and mites for agriculture and forestry". After the workshop Andy met up with former Waite postgraduate Dr K.C. Khoo, and the two travelled to the Genting Highlands to carry out some trapping.

Dr Michael Keller arrived in January to take up a lecturing post in the Department. Postdoctoral Fellows Jane Drummond and Kevin Samuels also arrived, and the new Postdoctoral Fellowship in forest entomology is to be filled next month by Dr Haugen. Dr Haugen will work on the biological control of Ips, Hylastes and Sirex.

Phillip Weinstein has successfully completed the higher degree qualifying period. His research project involves the parasites of Perga.

Dr Tony Smith is now a Visiting Research Fellow in the Department.

Three people will be doing the Fourth

Year Honours course in Entomology this year: Robyn Hill, Bill Frost and Andrew Green. Bill's project will involve the bacterial symbionts of mealy-bugs, while Robyn's and Andrew's projects are yet to be finalised.

Meredith Kleinig is back working on the sheep blowfly project, and Sue Bateman is on maternity leave. Sue (and Geoff) recently cultured the nicest little larva you ever saw, name of Tessa Leah.

Danni Oliver and Rod Connelly recently joined the Department to work with Derek Maelzer on the Megachile project.

The Waite Institute held OPEN DAYS on October 31st and November 1st, and ten exhibits of the Department's work were mounted. The displays were seen by approximately 6,000 visitors.

In November a delegation of Chinese personnel visited the Department as members of the Australia/China Agricultural Cooperation Agreement Biological Control Mission. Their tour included visits to institutions in each capital city of Australia.

Dr Pak and Else de Jong left the Department for a short holiday touring Australia before their return to Holland.

Department of Agriculture

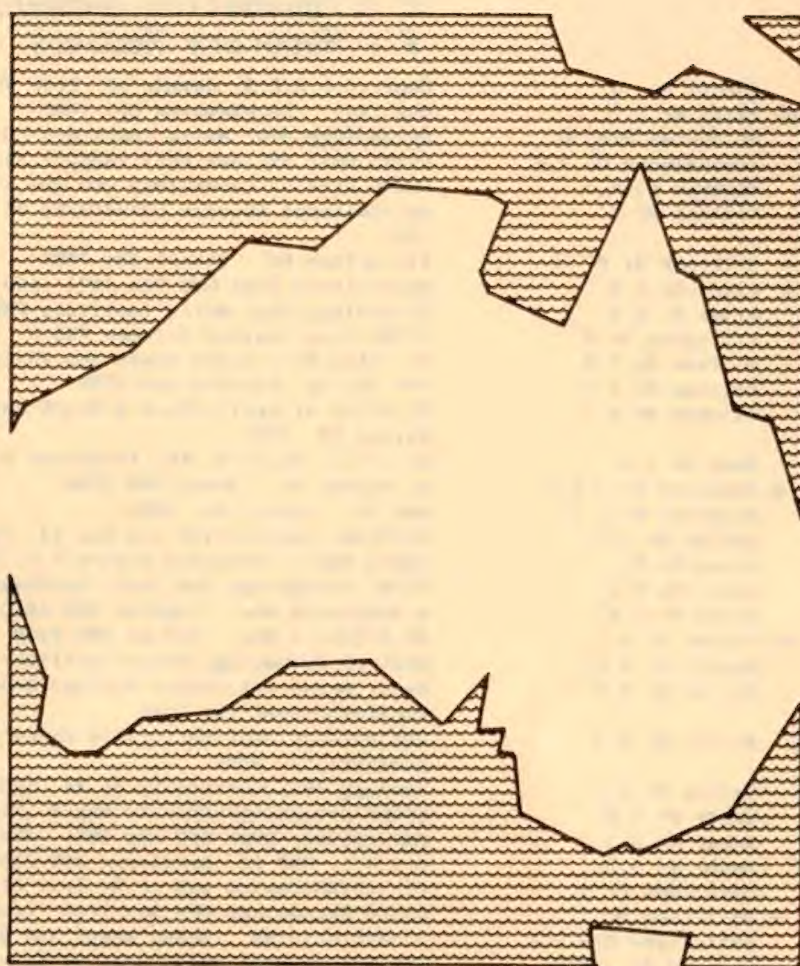
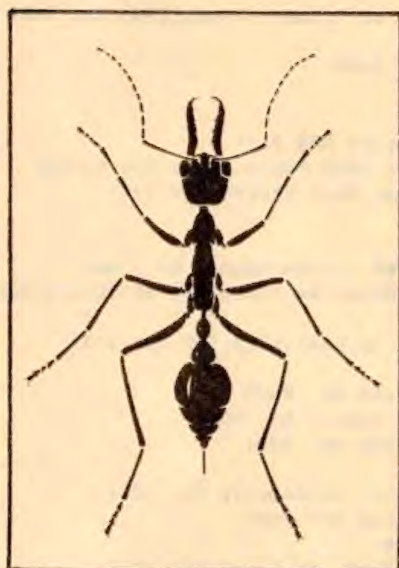
Dr Graeme Hamilton, Michigan State University, visited the Department on 17-18 November to examine and discuss the Neogen Pestcaster (TM) being field tested at Lenswood Research Centre. This computerised field monitor may be useful as a means of predicting insect infestations (codling moth) and disease infections (apple scab), and thus the timing of spray applications.

Professor Michael Way, Imperial College, Silwood Park, has been a Hannaford Research Fellow at the Waite Institute for several months. On 19th December he joined the people at Northfield for an informal discussion on ecological/behavioural matters, followed by an informal intake of food and amber fluid.

Paul de Barro has left the Department to take up a new position as an entomologist with the Sugar Bureau, Bundaberg.

The Biological Control Delegation from the People's Republic of China visited Northfield on 29th of October. After discussions on the general theme of biological control, the visitors

**Australian
Entomological
Society**



LIST OF MEMBERS

AS AT JANUARY 27, 1987

LIST OF MEMBERS

+ = Foundation Members

= Honorary Members

were shown over the new quarantine insectary and were then taken on a horticultural tour of the Adelaide Hills, during which they had an opportunity to talk with some local growers, (a rare occasion for the visitors!).

David Cooper
Regional Councillor



NORTHERN TERRITORY

Dr C.S. Li, who retired several years ago from DPP, was invited by the Chinese government to lecture in seven major cities: Quangzhou, Beijing, Hangzhou, Shanghai, Fuzhou, Quanshou and Xiamen, from 6th to 29th October. He spoke on recent advances in the integrated control of rice insect pests.

NT Health, Entomology Branch

David Booth, late of Macquarie University and previously resident entomologist at the Horn Island Malaria Research Station in Torres Strait, has strengthened the Branch with a wealth of experience on mosquito monitoring and Anopheles taxonomy.

In November, three Health Officers from the Solomon Islands visited under a WHO program. They inspected mosquito monitoring and control operations around Darwin, and discussed the Solomons malaria control program.

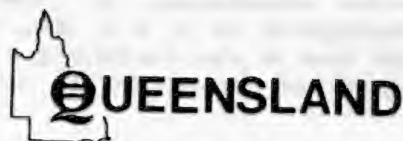
Peter Whelan once again assisted with the week long National Vector Control Course held in Mildura.

The arrival of the monsoon in mid-January has seen the end of the Aedes vigilax helicopter control program, which has been a resounding success, and also brought a temporary halt to the mosquito engineering control program.

General

Many NT members have taken end-of-year leave, including Mark Lonsdale to U.K. and Mali Malipatil to India.

Ted Fenner
Regional Councillor



SOUTH QUEENSLAND NEWS

Queensland Agricultural College

Mr Joachim Haag from Schering Berlin arrived in the plant Protection Department for four weeks study. He will undertake a crash course in general plant protection. After finishing his training he will return to Schering headquarters in Berlin, and will be responsible for the South East Asian sector

DPI Entomology Branch

Marlene Elson-Harris spent 3 weeks in North Queensland collecting rainforest fruit for her fruit fly project. Collections were made from Mt Windsor Tableland, Downey Creek, Mt Lewis and Cape Tribulation as well as areas on the Atherton Tableland.

Ken Houston and Kim Sadler, accompanied by Julie Gallon from the Queensland Museum, spent 3 weeks in far north Queensland and the Torres Strait Islands. Many insects and spiders were collected as part of an ongoing quarantine survey of this region.

Neil Heather is attending the ANZAAS conference in New Zealand in January as well as catching up on some of the fruit fly researchers in New Zealand.

Early in January, DPI Indooroopilly hosted a pest management seminar at the University of Queensland. Guest speaker was Dr Geoff Norton, Director of Silwood Centre for Pest Management, Imperial College, UK. Dr Norton is an internationally recognized economist with particular interest in pest management.

Forestry Department

The Queensland entomologists are to host a Forest Entomologists Research Working Group in and around Brisbane during the week April 27th to May 1st. Participants from all parts of Australia will be present.

CSIRO Long Pocket Laboratories

Harry Standfast, Mike Muller and Peter Allingham are about to undertake some studies on cattle egrets as potential reservoirs for

some Australian arboviruses. In collaboration with the management of a deer farm west of Gympie, this team is also continuing a project on arboviruses of importance to the deer industry.

In conjunction with his studies on the ecology and control of fruit piercing moths, Don Sands has been awarded a Christensen Research Institute Fellowship to work at Madang, Papua New Guinea for about two months in mid 1987. This will be part of a project to study the parasite complex of these moths in the Pacific Region.

University of Queensland, Entomology Dept.

Gary and Jill Dodson, Greg Daniels and Margaret Schneider returned to Brisbane immediately before Christmas after having spent a very profitable month in far northern Queensland (including 2½ weeks at Iron Range). Collecting was very good and Gary was able to learn a great deal about the behaviour and biology of the tephritid, *Phytalmia mouldsi*, the only Australian species of this otherwise Papua New Guinean genus. Flies of this genus are sometimes called antler flies because males of all species have striking cheek processes, those of some species looking like deer antlers.

Three days after returning from this northern trip, Greg Daniels and his wife, Alice, set off for a five week collecting trip/holiday to Western Australia. They concentrated their collecting activities in the south coastal region from Esperance to Albany and around the goldfields (no nuggets found!). At least 80 species of robber flies (Asilidae) were collected, most of which are undescribed and one of which represents a new tribal record for WA. The trip included a visit to the WA Museum where Greg was able to study the asilid collection.

Tim Heard attended a workshop on plant breeding systems and pollination ecology at Kioloa, NSW at the end of January. Tim's particular field of study is the role of *Trigona* bees in the pollination of *Macadamia*.

Martin Rice visited DPI, Mareeba in late January and renewed acquaintances with Kerry Fay, Ross Storey and Ian Cunningham. He gave a seminar on the Push-Pull Strategy and collected seeds from fruiting neem trees. He then visited Weipa and found more fruiting neem trees on Comalco revegetation blocks. These trees had associated with them a rich vertebrate and invertebrate native fauna. As a result of the trip, much useful information

was found on the biology of neem in Queensland.

New B.Ag.Sc. graduate, Tony Clarke has started work with Myron Zalucki and Martin Rice on the *Heliothis* Push-Pull Project.

James M. Carpenter from Harvard University visited the Department in January to study the masarine and eumenine wasps in the collection.

Myron Zalucki and family are off on study leave to the USA. Myron will be working with Prof. L.P. Brower on oviposition in monarch butterflies at the Department of Zoology, University of Florida from 1st March to 16th July. He will also be visiting colleagues at Stanford, University of Texas and Texas A&M whilst over there.

Department of Lands

Bill Woods who has been in Mexico and the southern USA for 3 years looking for insects on *Parkinsonia*, returned to Australia in early January, and spent 2 to 3 weeks at the Alan Fletcher Research Station before returning to West Australia and his job with the Department of Agriculture there. 2 of Bill's insects, a bruchid *Mimosestes ulkei*, and a mirid *Rhinochloa callicrates* are being tested in quarantine at Sherwood. Preliminary surveys are underway in East Africa and the *Parkinsonia* project may be restarted over there.

The *Mimosa invisa* project is also about to be temporarily suspended, with a coreid *Scamurius* sp. near release at Sherwood and a psyllid *Heteropsylla* sp. recently arrived in quarantine for testing. The entomologist responsible, Cesar Garcia, will transfer in early February to Tucuman in north-west Argentina where he will look for possible biocontrol agents for *Parthenium* weed.

Jenny Turnour continues to do well with her rubber vine investigations in Madagascar. She has just found an exciting chrysomelid and also succeeded in getting the gall fly *Schizomyia* to mate and lay in cages. Jenny is expected back in Brisbane in August for 6-10 weeks holiday and work before returning to Madagascar for another year.

Clyde Wild has resigned from the Department to live on his property at Springbrook, where he will be pursuing his interests in horticulture and rainforest ecology, and resuming activities in insect

collecting. We wish Clyde and Carmel and their new daughter Francis all the best with their new life.

Paul McFadyen is spending 4 months in "Head Office" in Brisbane, as part of a Team planning for the introduction of new technology into the Lands Department. A change from Entomology!

Queensland Museum

Having just began to relax in our new building we find, to our astonishment, that we have a Branch Museum to be opened in Townsville by the end of June this year. Rudy Kohout is working on two insect diorama displays planned by Geoff Monteith. One has the theme of insect/plant relationships and will feature pitcher plants, ant plants, *Oecophylla* nests and so on. Geoff and Rudy go to Bamaga at the tip of Cape York for a week in March to bring back plant specimens for freeze drying. The other diorama will present the life history of *Coscinocera hercules*, the world's largest moth. Tony Hiller is currently fattening up larvae from eggs sent down by Ray Straatman of Kuranda. These will also be

preserved as freeze dried specimens and displayed in natural postures on food plant. Gudrun Sarnes has also been busy with arranging systematic insect display panels for the Townsville Museum.

Visitors to the Museum have included Al Newton and Margaret Thayer of the Field Museum, Chicago, who interrupted their field work at Kyogle to check over our staphylinid and leiodid beetles. Jim Carpenter, of Harvard, looked at masarid wasps while Dave Sinclair, of Sydney University, spent a day looking at pentatomoid bugs. Stephen and Bronwyn Underwood, of Sydney, called in to show a large, live, mystery stag beetle from Blackdown Tableland. It proved to be a species of *Sphaenognathus*, long sought after at Blackdown since a dead, broken specimen was picked up there by a school girl several years ago.

Bob Domrow spent 3 weeks in Adelaide in January working with mites at the South Australian Museum.

Margaret Schneider & Errol Hassan
Regional Councillors



CAPTION: Rudy Kohout (left), of the Queensland Museum, and Tony Hiller, of the Mt Glorious Biological Centre, admiring full grown larvae of the world's largest moth, *Coscinocera hercules*. This moth occurs in New Guinea and North Queensland and has been chosen as the logo for the Australian Entomological Society's 19th Scientific Conference to be held in Brisbane in May 1988.

NORTH QUEENSLAND NEWSDPI Biloela

Frank Page reports that severe infestations by Heliothis punctigera in cotton crops in the Dawson-Callide valleys resulted in numerous insecticide applications in November-December 1986. Infestations were worst at Theodore. No insecticide failures were reported.

DPI Emerald

Prof. Henry and Anne Howden, Carleton University, Canada, passed through in December. Henry is revising the Australian Geotrupidae (Scarabaeoidea) and Anne is interested in weevils. They visited Ernie Adams at Edungalba and Peter Allsopp at Emerald before rendezvousing with Geoff Monteith's party at Kirrama then going north to collect with Ross Storey. Collecting was poor due to the dry weather.

Penny Edwards, Brian Fletcher and Gary Fitt (CSIRO) passed through central Queensland looking for a base to work on Heliothis ecology.

DPI Mareeba

Max Moulds passed through on his way to the Northern Territory (again!). Some problems were encountered with wet conditions in the Gulf Country.

Tom Passlow visited both Mareeba and Ayr DPI Stations in December.

James Cook University

Geoff Monteith, Geoff Thompson and Simon Hamlet spent 1-23 December collecting montane insects in the Elliot, Cardwell and Kirrama ranges, North Queensland. On 1 December Geoff M. visited the Zoology Dept. and gave a double-barrelled seminar, firstly on what the montane insect study has yielded to date and secondly on some design and policy aspects of the Townsville Museum, at present under construction.

In January Dr Naomi Pierce, now at Princeton University, visited North Queensland with PhD student Andrew Berry. They were attempting to collect a colony of Froggattella kirbyi (Formicidae) and juvenile stages of the butterfly it attends, Jalmenus pseudictinus (Lycaenidae). Peter Valentine took them to a location he discovered near Hidden Valley in

1978 and two promising ant nests were collected. These were sorted back at Townsville and were found to contain ten queens, a large brood and numerous workers. The ants will be set up in the laboratory at Princeton for continuing work on ant-lycaenid relationships. About 200 eggs of J. pseudictinus were also collected, hopefully enough to start a viable laboratory colony of this species. Naomi will be well known to many members from her work on J. evagoras at Griffith University with Roger Kitching's group. Since then a two-year stint at Oxford has been followed by her appointment last year to the Dept. of Biology at Princeton University.

Mike Downes

Regional Councillor

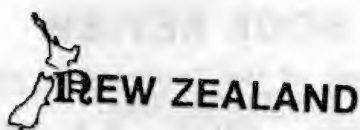
OVERSEAS NEWS **PAPUA NEW GUINEA**

The survey of Papuana spp. pathogens conducted last year (reported in volume 22, part 4 of November 1986 issue of news bulletin) has been rather disappointing. No potential biocontrol agent was found. The most common disease found was the green muscardine fungus, Metarhizium anisopliae. Only in Kuk in the Western Highland Province were nematodes (being identified by CIBC London at present) found infecting 3rd instar larvae of Papuana. Although these diseases are present in the field, Papua New Guinea still has taro beetle problems.

Of all the taro (Colocasia esculenta) growing areas surveyed in the country, only two have been identified to have none or very low beetle population in the field. These areas are Saramandi and Barisari/Siremi in the East Sepik and Northern Provinces respectively. A further thorough survey has been suggested in these areas.

The survey was funded by FAO/UNDP root crops development programme in the South Pacific Region aimed at finding a potential biocontrol agent for control of taro beetle in South Pacific Countries with taro beetle problem. It is presently thought that the centre of origin for Papuana is Papua New Guinea.

Malchus Arura
Papua New Guinea
Correspondent



The 'user pays' principle now imposed upon science in New Zealand by the government is a whole new ball game. No one will deny that some scientists have had it far too easy for too long but that does not apply to the great majority. No longer can we freely interchange ideas and information because, in a matter of a few months, we have suddenly become a closemouthed lot for fear that our rivals (colleagues) might capitalise on our ideas. Even within institutes, we have the ludicrous situation whereby scientists are charging their colleagues for time or materials! for fear that they will lose some of their budget. They can hardly be blamed - many science budgets have been cut by 40% - in a country with 20% inflation. The atmosphere is totally alien to scientific philosophy and I am not sure that we can come to terms with it. Entomological research will be just as affected as any other discipline.

John Tenquist
New Zealand Correspondent

NEWS FROM AFFILIATED SOCIETIES



ENTOMOLOGICAL SOCIETY OF NEW SOUTH WALES

Since November 5, when Woody Horning spoke on the Macleay Museum, its Past, its Present and particularly its Future, the Entomological Society of New South Wales has been in festive season recess.

The new year will take off on 4th February when Noel Tait and David Briscoe of Macquarie University will talk on Peripatus. Their talk, entitled "New species of an Ancient Animal", will cover the biology, morphology and taxonomy of the local species of this fascinating group of creatures.

Future meetings will include talks by Murray Fletcher (Presidential address in March), Col Bower on insect photography (April) and Richard Russell of the soon-to-be-defunct School of Public Health and Tropical Medicine (probably May).

The Proceedings of the Weekend Workshop on Butterflies and Moths held in October 1986 will be available from the Society in March.

Murray Fletcher
Representative Councillor



ENTOMOLOGICAL SOC. OF VICTORIA

The 1986 Zoo Le Souef Memorial Award has been won by Andrew Atkins (Newcastle), and we hope that he may attend a meeting to receive the Award later in 1987. A highlight of our October 1986 meeting was the presentation of the 1985 Award to Max Moulds, and the Award continues to attract an array of strong nominations.

The Christmas Member's Night was followed by refreshments in the Sciences Club. Speakers for early 1986 are Dr Arnis Heilleus (The Role of Invertebrates in National Park Management, February 20) and Mr Otto Rogge (Insect Photography, April 17). Members of the Society are helping with a Butterfly Safari, being organised by the Children's Museum and Gould League on January 16, and one or two excursions are planned for late summer.

Joy Burns
Representative Councillor



ENTOMOLOGICAL SOCIETY OF QUEENSLAND

The annual December barbeque, held at the DPI Entomology Branch, Indooroopilly, provided a most enjoyable conclusion to the Society's activities for the year. Thirty-nine members and visitors were present for the evening. At the Notes and Exhibits meeting which followed, seven exhibits or short addresses were given on a wide range of interesting topics.

The total membership of the Society at the end of 1986 was 298, a decrease on the 1985 membership.

The next meeting of the Society will be the Annual General Meeting to be held at the University of Queensland on Monday, 9th March, 1986 at 7.30 pm in room 402 of the Hartley Teakle building. Annual Reports for 1986 will be presented and the Council for 1987 elected. The retiring President, Ms Marlene

Elson-Harris. will then give her Presidential Address to be entitled "Immature Diptera - a comparative study of 3 Australian families".

Nominations for all Council positions, except that of Junior Vice President, may be sent to the Honorary Secretary, Mr Greg Daniels prior to the meeting.

Greg Daniels
Representative Councillor

NEW BOOKS AVAILABLE

NEW BOOKS AVAILABLE OR BECOMING AVAILABLE

D'ABRERA, B. "Sphingidae Mundi - Hawk Moths of the World" 256 pages, 25x34cm. Retail price is £97.50 Stg - Pre-publication price £90.00 Stg

ALLARD, V. "The Beetles of the World" Vol. 6 Goliathini 2. 1985. 92p. \$108.00

JAEGER, E. "A Source-Book of Biological Names & Terms" 3rd Edition, 6th Printing \$ 78.00

MAZA, R. & TURRENT, R. "Mexican Lepidoptera" Eurytelinae 1. 1985 \$ 35.00

SCHOLTZ, C. & HOLM, E. (Ed) "Insects of Southern Africa" 1st Edition, 1986 \$ 70.00

SCHOLTZ, C. & HOLM, E. (Ed) "Insects of Southern Africa" Leatherbound \$165.00

ANNECKE, C. "Insects & Mites of Cultivated Plants of South Africa" 1982 \$ 89.00

McCUBBIN, C. "Australian Butterflies" \$ 29.95

MATTHEWS, E. "A Guide to the Genera of Beetles of South Australia" Part 3 \$ 8.25
Part 4 \$ 10.50

McQUILLAN, P. & FORREST, J.A. "A Guide to Common Moths of the Adelaide Region" \$ 8.50

BOND, E. "Manual of Fumigation for Insect Control" 1984. FAO publication \$ 40.00

McMAUGH, J. "What Garden Pest or Disease is That?" 312 pp \$ 36.00

Please allow \$5.00 postage irrespective of number of publications.

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BOOK REVIEW

A monograph of the Tettigoniidae of Australia.
Volume I. The Tettigoniinae.

D.C.F. Rentz. CSIRO : E.J. Brill, Leiden.
pp. 384. 1985. Price ca.: \$37.50.

Hardback taxonomic treatises will always be difficult to sell to the general entomological public; this book does not fall into that category. The publishers, Brill of Leiden, through CSIRO, have presented Dr Rentz' fresh style with great skill and should be congratulated with the author. The book is simple to use by both amateur naturalist and specialist collector. It will be the first volume in a series on the Tettigoniidae of Australia and these volumes will undoubtedly stand with such popular works as Common and Waterhouse's "Butterflies of Australia" in both their authenticity and appeal. Dr Rentz' book had the additional weight of being a taxonomic work in its own right, with descriptions of some 17 genera of which 12 are erected by the author, including 64 new species from a total of 72 described in the text. The plethora of new genera merely highlights the much needed gap this book fills in the description of the Australian fauna.

Although conforming with the usual taxonomic codes, the descriptions are laced with informed discussion generated by a biologist who has collected and reared much of his own material. The use of colour, song and habitat descriptions reflect this field interest, and as a consequence make the book a delight to use in both the field and the lab. Although there is great detail on both external morphology and internal genitalia, there is however sufficient illustration to allow moderately secure identifications without the need of specialist knowledge. The use of Department of National Development maps, although at times providing an excess of detail, are similar in style to most standard maps used by the travelling collector. I have found these maps of great value in checking out type localities. Descriptions of type localities tend to border on the colloquial. For example, the sympatric species pair of *Dexerra angularis* and *D. virescens* occur "approximately 100 m from the parking area adjacent to the paved road". There is however a precise grid reference and for those who know the site it is exactly the spot!

The artwork and photographic plates are to the extremely high standard expected of CSIRO publications. However, for such a spectacular group of insects and with the

author's own emphasis on colour, it is disappointing that there is not a series of good colour plates. Those that are presented, apart from the frontispiece, are squeezed onto one page.

Dr D. Colless appends an academic treatment of the 17 genera by numerical taxonomic techniques. Colless attempts to discover if Rentz has subconsciously "sanitized" his data over their 10 years or so of collection. He generously accords "some bias ... but probably little more than most normally ... present in such data".

Certainly libraries will take the book, and I recommend that it be part of the amateur entomologist's library collection of works on the Australian fauna.

Win Bailey
University of WA

COMING EVENT

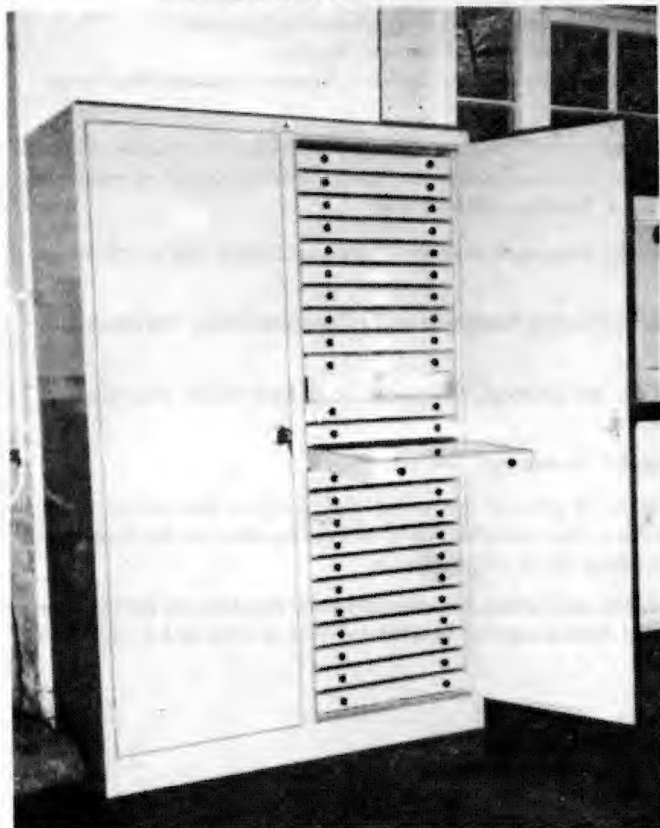
Symposium on Insect-Fungus Interactions

This important 2-day symposium is being organised jointly by the Royal Entomological Society of London and the British Mycological Society on the 16th-17th September 1987 at Imperial College, London. Session titles are:

1. Mycophagy in insects.
2. Mutualistic relationships between insects and fungi.
3. Insect spread of plant fungal diseases.
4. Mycopathogens of insects.

The full programme and registration forms are obtainable from The Registrar, Royal Entomological Society, 41 Queen's Gate, London SW7 5HR, England.

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XVIII INTERNATIONAL CONGRESS OF ENTOMOLOGY VANCOUVER, CANADA

July 3-9, 1988

Sponsored by the Entomological Society of Canada, the XVIII International Congress of Entomology will be held in Vancouver, British Columbia, July 3-9, 1988. Facilities for the Congress will be provided by the University of British Columbia. All scientific sessions will be held on the campus.

Scientific Program. The Scientific Program will include plenary lectures and symposia, section symposia, workshops and special-interest group meetings, as well as contributed paper and poster sessions. Except for the plenary events, the program will probably be divided into the following sections:

- Systematics, Zoogeography and Palaeontology
- Morphology and Development
- Cell Biology, Physiology and Biochemistry
- Genetics and Speciation
- Ecology
- Behaviour
- Social Insects and Apiculture
- Insect Pathology and Biological Control
- Medical and Veterinary Entomology
- Agricultural Entomology and Pest Management
- Forest Entomology and Pest Management
- Stored Products and Structural Insects
- Toxicology, Pure and Applied
- Pesticide Development, Management and Regulation

The plenary lectures and plenary symposia will be sponsored by the Congress, but all other scientific program events must be self-supporting. Entomologists wishing to propose sectional symposia, special-interest group meetings or workshops should write to the Secretary-General, Dr. G.G.E. Scudder, with details.

Program contributions may be in either of Canada's official languages, namely English or French: there will be no simultaneous translation.

Social and Accompanying Persons Program. There will be an Opening Reception and a Congress Dinner. An interesting program is planned for accompanying persons.

Tours. Day tours, as well as Pre- and Post-Congress tours, are planned. These will be of both scenic and scientific interest.

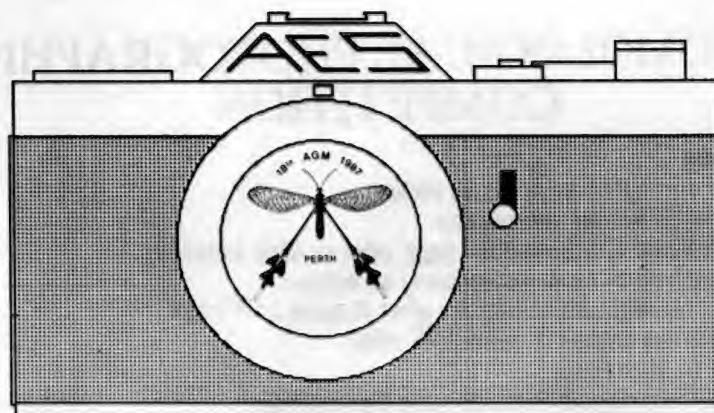
Exhibits. Commercial exhibits will involve equipment, books, illustrations and art.

Travel. Vancouver International Airport has connections to all parts of the world, and is within easy access to the University of British Columbia. Air Canada and CP Air have been appointed official joint carriers for the Congress. Local offices of these airlines will help with individual or group travel arrangements.

First Announcement. This First Announcement is distributed to institutions, societies, scientific journals and participants of the XVII Congress. Persons wishing to receive the Second Announcement Brochure should so indicate by writing to the following before March 1, 1987:

Dr. G.G.E. Scudder, Secretary-General
XVIII International Congress of Entomology
Department of Zoology
The University of British Columbia
Vancouver, B.C. V6T 2A9 Canada

Second Announcement Brochure. This will be forwarded direct to each respondent in June 1987. It will contain details of the program, registrations, accommodation, tours, etc.



ENTOMOLOGICAL PHOTOGRAPHIC COMPETITION

All photographers are invited to submit entries for the Entomological Photographic Competition to be held in conjunction with the 18th Scientific Conference.

Entries can be submitted in three categories:

1. Micro-photography and scanning electron micrographs
2. Macro-photography
3. Habitat and personality studies

Subject matter in categories 1 and 2 must be strictly entomological, whilst the content of 3 must be of an entomological bias. Conditions of entry are given overleaf.

To be enclosed with entry

Entry Form : Entomological Society Photographic Competition

Surname: _____ Given Names: _____

Address: _____

Number	Slide (S) or Print (P)	Title
1.....		
2.....		
3.....		
4.....		
5.....		
6.....		

Title must include the scientific and common name (where known) of the insect subject appearing in the photograph or slide.

ENTOMOLOGICAL PHOTOGRAPHIC COMPETITION

Conditions of Entry

1. Entries can be submitted as prints or slides.
2. Maximum total of 6 entries per person.
3. An entry fee of \$2.00 is required for each print or slide entered.
4. A completed entry form must accompany all entries.
5. All material will be returned to owners after August 31st 1987.
6. The closing date for entries is June 30th 1987.
7. Entries should be posted to:

Entomological Photographic Competition
c/o Dr J. A. Davis,
School of Environmental and Life Sciences,
Murdoch University,
Murdoch, W.A., 6150.

Commemorative awards will be given for the best print and best slide in each category. Judging will be done by professional photographers, and awards will be announced at the 18th Scientific Conference to be held in Perth from August 15-20th 1987. Prints will be displayed, and a screening of selected slides will be given at the conference.

Specific Conditions:

Prints

1. Black and white or colour.
2. Unmounted prints preferred.
3. Prints must not exceed the dimensions 40cm x 50cm.
4. Minimum print size shall be 500 sq. cm. (eg. 20 cm x 25 cm).
5. The back of each print must bear the name and address of the photographer, and the number corresponding to the title on the entry form.

Slides

1. Colour slides, by any process, in standard size (5cm x 5cm) mounts.
2. Each slide must be clearly marked with the title and the photographers name and address.
3. Slides must be spotted (•) for projection, in the lower left hand corner as viewed in an upright position.
4. Slides must be enclosed in a reasonable container (eg. Kodak yellow plastic slide box), bearing the name of the entrant for quick identification and for use as return packing.

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SUPPLEMENT

The News Bulletin for May 1986 (Vol 22, pt 2) included an obituary of Mr M.I. Nikitin by Mr C.E. Chadwick. Mr Chadwick has since complained to the Executive that a number of editorial changes were made to his draft on which he was not consulted and which he considered unwarranted. Although the Executive could not agree with Mr Chadwick that the editorial changes significantly altered his article, it has been decided to publish the original, unedited version as a supplement to this News Bulletin.

(P.B. Carne) Secretary

OBITUARY

M.I. NIKITIN 1911-1986.

Mstislav Ivanovich Nikitin, known to his contemporaries and close associates as Nik, was born at Irkutsk, Siberia on 1 April 1911, his parents being White Russians. In 1918 the family made its way to Harbin, in Manchuria, where the children were educated.

Nik secured employment at the Harbin Museum. He had a special love for butterflies and was able to collect widely in Manchuria over a period of about 15 years. He was particularly interested in the identification and distribution of the various species and published papers on the subject.

When the Chinese Communists took over Manchuria he lost his employment and had to exist as best he could under trying conditions.

In March 1957 he and his mother reached Australia, to which his two sisters had preceded him. Apart from a short period of employment with the railways he was unemployed for more than two years.

In October 1959 he obtained an appointment as Entomological Assistant in the N.S.W. Department of Agriculture, his specified duty being to assist me with the insect collection. He remained my assistant for 15 years. His major achievements were to mount thousands of insects and to re-arrange the insect collection, both of which he did very neatly.

He retired as Senior Technical Officer on 1 April 1976, but suffered a stroke in June 1980. His health gradually deteriorated and he died on 8 January 1986. His sister Irene did an outstanding job looking after him and his affairs during his long illness.

Nik's interest above all was in butterflies, especially in Hesperiidæ, and he continued his studies in the group with great enthusiasm in his own time after reaching Sydney. He collected in the years 1957-1963 in the County of Cumberland, the region around Sydney, and in 1964 published a list of 69 species he had collected, with data on their distribution, months of collection, food plants, abundance etc. From later collecting and from the literature he determined that 105 species had been recorded from the area in the preceding 20 years.

He took office as a council member of the Entomological Society of Australia (N.S.W.) from 1959 until 1965, being honorary secretary in 1960-1963.

He became an active member of the Entomology Section, Royal Zoological Society of N.S.W. in 1979, contributed to its meetings and publishing lists of insects in its circulars.

Nik gave me significant assistance with three papers on insects intercepted in quarantine and with two papers on insect parasites and their hosts, in each case being listed as junior author.

A study of Nik's papers indicates that his work, both in Manchuria and New South Wales, conformed with a broad general theme viz., collect insects in a particular locality, region or habitat, have them identified as far as practicable, and, where available, add any biological data or literature references.

He donated his butterfly collection to the Australian Museum a few years ago, after he suffered his stroke. He also specified that most of his books be offered to the Museum.

Nik is survived by his sister Irene, two nieces and a nephew.

C.E. Chadwick.

AUSTRALIAN ENTOMOLOGICAL SOCIETY



18th SCIENTIFIC CONFERENCE & AGM

to be held at the
UNIVERSITY OF WESTERN AUSTRALIA, PERTH
15 - 20 AUGUST 1987

CONFERENCE THEME: 'LIVING WITH INSECTS'

The theme is intended to provide a perspective of insects as beneficial organisms in the environment. The conference will focus on four main areas within this more general framework:

- (1) The role of insects in conservation and biological survey.
- (2) Plant/insect interactions.
- (3) Understanding insect behaviour — a possible tool in insect management.
- (4) Threshold levels and insect pest management.

In addition, there will be adequate opportunity for entomologists to provide papers of specialist interest outside these areas.

The conference will be held in August to coincide with the commencement of the flowering season of many of Western Australia's wild flowers. Tours within and following the conference will concentrate on this unique flora.

The campus of the University of W.A. is considered one of the most beautiful in Australia. It lies between the natural parkland of Kings Park and peaceful Matilda Bay forming the northern margin of the Swan Estuary. Accommodation will be in quiet student halls of residence adjacent to the main campus. The University is within 3 kms of the central city area of Perth.

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MACKERRAS MEDALLISTS

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1986 Dr. R.W. Sutherst

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